

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635817

Luminaire Tested: GWS-SA3E-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20393.4 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

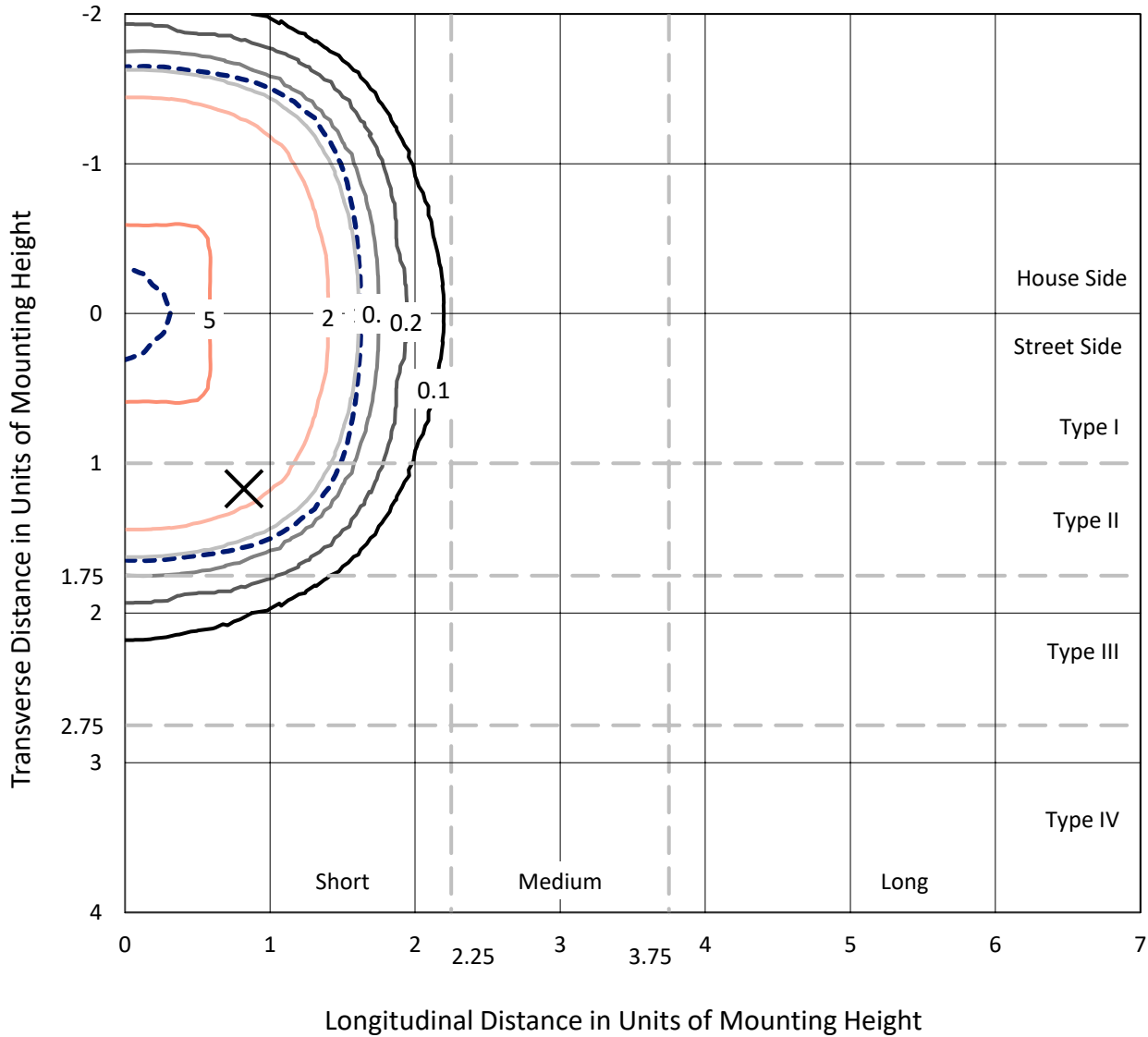
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

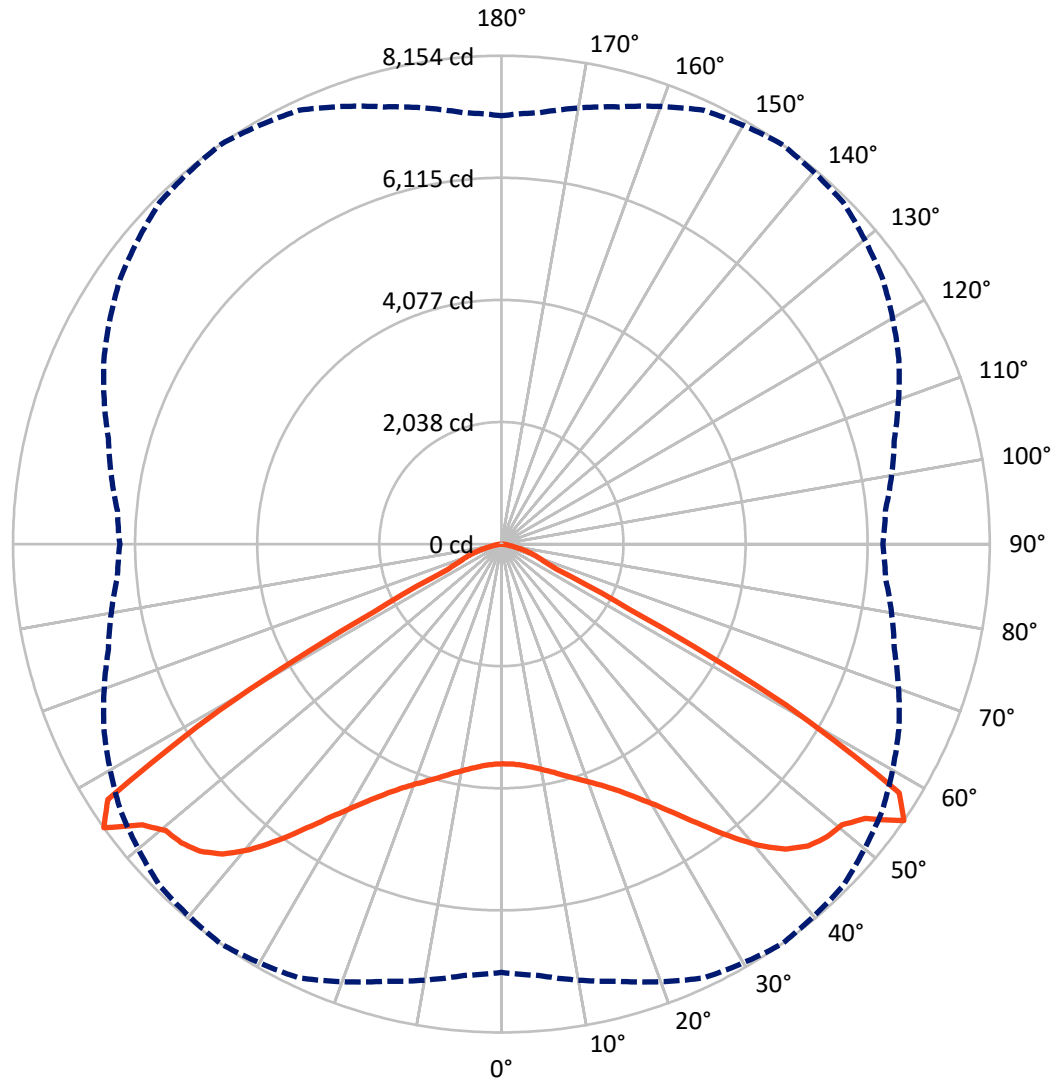
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10196.7	0.0	10196.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10196.7	0.0	10196.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20393.4	0.0	20393.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.8	1.8
10°-20°	1139.3	5.6
20°-30°	2108.6	10.3
30°-40°	3527.3	17.3
40°-50°	5375.1	26.4
50°-60°	6021.2	29.5
60°-70°	1424.7	7.0
70°-80°	384.1	1.9
80°-90°	55.3	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20393.4	100.0
0°-180°	20393.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635817

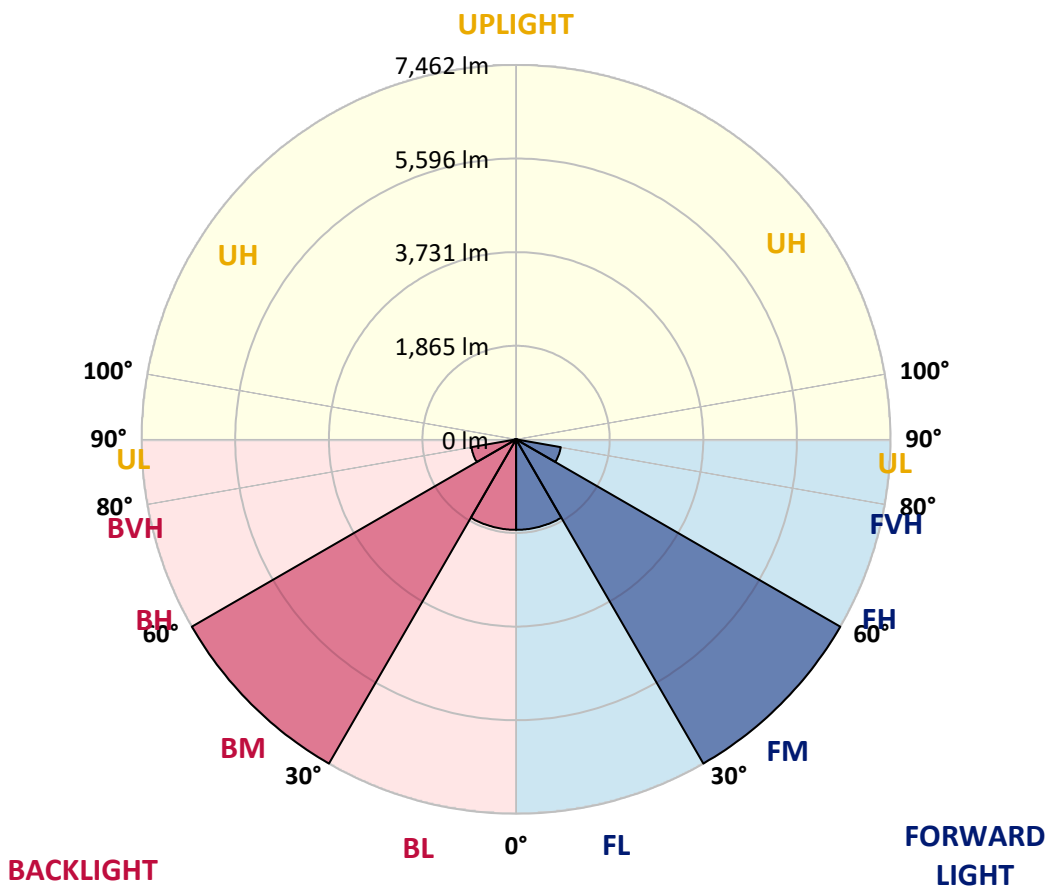
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1802.9	8.8			
FM (30°-60°)	7461.8	36.6			
FH (60°-80°)	904.4	4.4			G1/1800
FVH (80°-90°)	27.6	0.1			G1/100
BL (0°-30°)	1802.9	8.8	B3/2500		
BM (30°-60°)	7461.8	36.6	B4/8500		
BH (60°-80°)	904.4	4.4	B2/1000		G1/1800
BVH (80°-90°)	27.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8	3668.8
2.5°	3660.8	3660.8	3667.2	3675.3	3676.9	3693.0	3689.8	3683.3	3680.1	3673.7	3688.2
5°	3701.1	3702.7	3707.5	3712.4	3709.1	3722.0	3717.2	3709.1	3704.3	3696.2	3710.8
7.5°	3754.3	3754.3	3759.1	3765.6	3762.4	3781.7	3772.0	3760.7	3752.7	3743.0	3755.9
10°	3802.7	3805.9	3810.7	3823.6	3830.1	3851.1	3844.6	3828.5	3815.6	3804.3	3818.8
12.5°	3875.2	3878.5	3883.3	3901.1	3912.3	3933.3	3923.6	3901.1	3881.7	3865.6	3881.7
15°	3968.8	3965.6	3978.5	4001.0	4015.6	4034.9	4023.6	3984.9	3959.1	3938.1	3954.3
17.5°	4063.9	4062.3	4075.2	4104.2	4125.2	4151.0	4131.7	4086.5	4059.1	4033.3	4049.4
20°	4167.1	4172.0	4184.9	4212.3	4242.9	4276.8	4260.7	4212.3	4181.7	4152.6	4165.5
22.5°	4294.5	4296.2	4310.7	4346.1	4386.5	4418.7	4409.0	4349.4	4310.7	4280.0	4296.2
25°	4447.7	4446.1	4465.5	4507.4	4563.9	4596.1	4575.1	4509.0	4467.1	4431.6	4444.5
27.5°	4623.5	4621.9	4650.9	4705.8	4786.4	4831.6	4788.0	4705.8	4647.7	4597.7	4609.0
30°	4844.5	4839.6	4871.9	4946.1	5050.9	5126.7	5062.2	4947.7	4871.9	4818.7	4830.0
32.5°	5089.6	5096.0	5136.4	5236.3	5368.6	5467.0	5370.2	5242.8	5141.2	5063.8	5076.7
35°	5358.9	5358.9	5441.2	5565.3	5754.0	5884.6	5734.7	5550.8	5415.4	5308.9	5312.1
37.5°	5658.9	5662.1	5770.1	5941.1	6187.8	6341.0	6137.8	5910.4	5745.9	5631.4	5625.0
40°	6024.9	6034.6	6145.9	6336.2	6613.6	6753.9	6536.2	6313.6	6145.9	6010.4	5997.5
42.5°	6437.8	6441.0	6558.7	6729.7	6963.5	7047.4	6876.4	6694.2	6557.1	6434.6	6421.7
45°	6831.3	6823.2	6924.8	7052.2	7187.7	7195.7	7100.6	7026.4	6907.1	6802.2	6782.9
47.5°	7137.7	7131.2	7223.2	7292.5	7308.6	7229.6	7260.2	7271.5	7132.8	6990.9	6953.8
50°	7324.8	7337.7	7424.7	7463.4	7368.3	7239.3	7355.4	7326.4	7128.0	6942.6	6882.9
52.5°	7437.6	7457.0	7608.6	7707.0	7608.6	7486.0	7502.1	7331.2	7045.8	6800.6	6723.2
55°	7152.2	7229.6	7557.0	7992.4	8153.7	8068.2	7761.8	7321.5	6792.6	6436.2	6370.1
57.5°	5300.9	5423.4	5908.8	6852.2	7832.7	8144.0	7249.0	6137.8	5336.3	4878.3	4839.6
60°	2706.1	2843.1	3231.8	4201.0	5462.1	5900.8	5049.3	3930.1	3123.7	2752.8	2710.9
62.5°	1104.7	1127.3	1254.7	1628.8	2414.2	2785.1	2446.4	1717.5	1290.1	1188.5	1190.2
65°	869.2	874.1	867.6	890.2	1011.1	1122.4	1036.9	911.2	888.6	899.9	891.8
67.5°	758.0	759.6	754.7	754.7	759.6	754.7	764.4	769.2	772.5	785.4	777.3
70°	633.8	635.4	635.4	638.6	637.0	628.9	643.5	649.9	651.5	659.6	654.7
72.5°	490.3	495.1	498.3	499.9	498.3	493.5	501.5	512.8	511.2	519.3	511.2
75°	332.2	338.7	341.9	348.3	346.7	346.7	356.4	361.2	356.4	362.9	356.4
77.5°	188.7	193.5	203.2	209.6	216.1	220.9	227.4	230.6	229.0	232.2	229.0
80°	109.7	111.3	119.3	122.6	130.6	138.7	145.1	148.4	150.0	151.6	150.0
82.5°	62.9	64.5	67.7	71.0	77.4	83.9	90.3	95.1	95.1	96.8	95.1
85°	30.6	30.6	32.3	33.9	37.1	41.9	46.8	51.6	53.2	53.2	53.2
87.5°	4.8	4.8	6.5	6.5	8.1	9.7	12.9	16.1	17.7	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)